

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file re-	erence	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/22	Transmittal of Inte 20) as well as, whe	ernational Search Report ere applicable, item 5 below.
01-39 PCT	lat		v/month/vear)	(Earliest) Priority	/ Date (day/month/year)
International application No.		International filing date (day/month/year)			
PCT/US 03/01499		17/01/20	03	3	0/01/2002
Applicant					
VARIAN, INC.					
This International Search according to Article 18. A	Report has been pre	epared by this Internation hitted to the International	al Searching Auth Bureau.	ority and is transm	nitted to the applicant
This International Search X It is also a		total of 3 ppy of each prior art docu	sheets. ument cited in this	report.	
Basis of the report					
 a. With regard to the language in which 	language, the inter it was filed, unless	rnational search was car otherwise indicated und	ried out on the bas er this it <mark>em</mark> .	sis of the internatio	nal application in the
	ational search was c (Rule 23.1(b)).	carried out on the basis o	f a translation of the	ne international ap	plication furnished to this
b. With regard to any was carried out or	y nucleotide and/or in the basis of the se	r amino acid sequence quence listing :	disclosed in the in	ternational applica	tion, the international search
		application in written for	n.		
filed toget	her with the internat	tional application in comp	outer readable form	n.	
furnished	subsequently to this	s Authority in written form	١.		
furnished	subsequently to this	s Authority in computer re	eadble form.		
the staten internation	nent that the subsection as file	quently furnished written ed has been furnished.	sequence listing d	oes not go beyond	the disclosure in the
the stater furnished		ation recorded in comput	er readable form i	s identical to the w	ritten sequence listing has been
2. Certain o	laims were found (unsearchable (See Box	1).		
	invention is lacking				
4. With regard to the titl	e,				
X the text is	approved as submi	itted by the applicant.			
the text h	as been established	by this Authority to read	d as follows:		
5. With regard to the ab	stract,				
X the text is	s approved as subm	itted by the applicant.			
the text h	as been established e month from the da	d, according to Rule 38.2 ate of mailing of this inter	(b), by this Author national search re	ity as it appears in port, submit comm	Box III. The applicant may, lents to this Authority.
6. The figure of the draw	wings to be publish	ed with the abstract is Fi	gure No.	4	
X as sugge	sted by the applicar	nt.			None of the figures.
because	the applicant failed	to suggest a figure.			
because	this figure better cha	aracterizes the invention			

ATIONAL SEARCH REPORT

tional Application No PCT/US 03/01499

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01J49/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

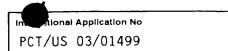
EPO-Internal, WPI Data, PAJ, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 575 778 A (EXTREL FTMS INC) 29 December 1993 (1993-12-29) abstract	1,8,13
A	SHENHENG G ET AL: "Stored waveform inverse Fourier transform (SWIFT) ion excitation in trapped-ion mass spectometry: theory and applications" INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, ELSEVIER SCIENTIFIC PUBLISHING CO. AMSTERDAM, NL, vol. 157-15, no. DOUBLE, 20 December 1996 (1996-12-20), pages 5-37, XP004062762 ISSN: 0168-1176 abstract	1,8,13

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.		
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance.	•T• later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
 E earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document reterring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed 	 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art '&' document member of the same patent family 		
Date of the actual completion of the international search	Date of mailing of the international search report		
27 May 2003	05/06/2003		
Name and mailing address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL = 2280 HV Rijswijk Tet (+31-70) 340-2040, Tx. 31 651 epoint, Fax. (+31-70) 340-3016	Hulne, S		

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	PCT/US 03/01499				
C.(Continu	(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Α	US 5 449 905 A (KELLEY PAUL E ET AL) 12 September 1995 (1995-09-12) cited in the application abstract	1,8,13			
4	US 5 324 939 A (LOURIS JOHN N ET AL) 28 June 1994 (1994-06-28) cited in the application abstract	1,8,13			
A	US 5 198 665 A (WELLS GREGORY J) 30 March 1993 (1993-03-30) cited in the application abstract	1,8,13			

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Information on patent family members

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